GENERAL NOTES REFER TO TELECOMMUNICATION GROUNDING SYSTEM FOR AUDIO/VIDEO GROUNDING REQUIREMENTS. 2. ALL CABLING, PATHWAY, AND TERMINATION HARDWARE, RACKS AND CABINETS SHALL BE PROVIDED WITH IDENTIFICATION (LABELING). CONTRACTOR SHALL PROVIDE LISTED FIRESTOPPING FOR ALL AUDIO/VIDEO PATHWAY AND CABLES, REFER TO SPECIFICATIONS. 4. ALL CABLING SHALL BE INSTALLED IN LISTED METALLIC RACEWAYS EMT FITTING SHALL BE MALLEABLE IRON OR STEEL. 5. PATHWAY ROUTING INDICATED ON DRAWINGS IS FOR GENERAL REFERENCE ONLY. CONTRACTOR SHALL FIELD COORDINATE AND VERIFY EXACT ROUTING AS REQUIRED. 6. ALL EMPTY RACEWAY SYSTEMS SHALL HAVE A #12 PULLWIRE OR EQUAL AND SHALL BE IDENTIFIED AT ALL JUNCTION, PULL, AND TERMINATION POINTS, USING PERMANENT LABELS. LABEL SHALL INDICATE INTENDED USE OF CONTROL AS WELL AS ORIGINATION AND TERMINATION POINTS OF EACH INDIVIDUAL ALL CONDUIT SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR AND SIZED PER APPLICABLE REVISION OF THE NATIONAL ELECTRICAL CODE. BEND RADIUS OF CONDUIT LESS THEN 2" = 6 TIMES INTERNAL CONDUIT DIAMETER, AND GREATER THAN 2" = 10 TIME INTERNAL CONDUIT DIAMETER, AND CONDUIT SHALL HAVE NO MORE THAT 180° CUMULATIVE BEND BETWEEN PULL POINTS. PULL BOXES MAY NOT BE USED IN PLACE OF BENDS AND IF THE RUN IS MORE THEN 100 FEET, A JUNCTION BOX IS REQUIRED. JUNCTION BOXES SHALL BE SIZED PER REQUIREMENTS OF THE LOCAL AND STATE AUTHORITY HAVING JURISDICTION. THE AUDIO/VIDEO CONTRACTOR SHALL ENSURE THAT THE AUDIO/VIDEO SYSTEM IS INSTALLED TO COMPLY WITH THE LOCAL AND STATE AUTHORITIES HAVING JURISDICTION. ALL AUDIO/VIDEO SYSTEMS COMPONENTS SHALL BE LISTED OR LABELED BY U.L. OR OTHER RECOGNIZED TESTING FACILITY. 10. WORK SHALL BE PERFORMED TO THE SATISFACTION OF THE ARCHITECT/OWNER. 11. CONTRACTOR SHALL REFER TO SPECIFICATION FOR ADDITIONAL PROJECT REQUIREMENTS. 12. REFER TO TELECOMMUNICATION DRAWINGS FOR ENLARGED DATA ROOMS. ALL DATA ROOMS MAY BE SHARED WITH TELECOMMUNICATIONS AND AUDIO/VIDEO. 13. REFER TO TELECOMMUNICATION DRAWINGS FOR RACEWAY AND MEDIA RISER INFORMATION. PROVIDE RECORD DRAWINGS TO ARCHITECT. DRAWINGS SHALL BE INCLUDE PATHWAY AND ROUTING, PULLBOXES, BACKBONE INTERCEPTING, STUB UP AND ROUTING, ETC. 15. 70.7 VOLT SPEAKER CABLES SHALL BE SEPARATED FROM OTHER CABLES BY AT LEAST 12". WHERE 70.7 VOLT SPEAKER CABLES CROSS OTHER CABLES, THE 70.7 VOLT SPEAKER CABLES MUST CROSS PERPENDICULAR TO OTHER CABLES. 70.7 VOLT SPEAKERS SHALL BE DAISY CHAINED. AUDIO/VIDEO CONTRACTOR SHALL COORDINATE TV LOCATIONS WITH PROJECT TEAM TO ENSURE PROPER STRUCTURAL MOUNTING REQUIREMENTS ARE MET. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AN ELECTRICAL RECEPTACLE WITHIN 16" OF THE CENTER OF THE TELEVISION.

2 3 4

VA FORM 08-623

SYMBOL LIST A.F.F INDICATES ABOVE FINISHED FLOOR WALL MOUNTED WIRELESS MICROPHONE ANTENNA (MOUNT AT +48" AWG INDICATES AMERICAN WIRE GAUGE WALL MOUNTED VIDEO TELECONFERENCING VIDEO CAMERA (MOUNT CENTER AT +72" A.F.F. UNLESS NOTED DIFFERENTLY) B.F.C INDICATES BELOW FINISHED FLOOR WALL MOUNTED CONTROL PANEL (BOX SIZE IS CUSTOM) CATV INDICATES CABLE TELEVISION (MOUNT AT STANDARD SWITCH HEIGHT UNLESS NOTED DIFFERENTLY) EDID INDICATES EXTENDED DISPLAY IDENTIFICATION DATA WALL MOUNTED CONTROL PANEL DOCKING STATION (MOUNT AT STANDARD SWITCH HEIGHT) HDMI INDICATES HIGH DEFINITION MULTIMEDIA INTERFACE **EQUIPMENT RACK** IP INDICATES INTERNET PROTOCOL

FLOOR BOX IPTV INDICATES INTERNET PROTOCOL TELEVISION MICROPHONE WALL BOX (MOUNT AT STANDARD RECEPTACLE HEIGHT MATV INDICATES MASTER ANTENNA TELEVISION UNLESS NOTED DIFFERENTLY)

MATV DROP RF INDICATES RADIO FREQUENCY CEILING SPEAKER - TYPE # SMATV INDICATES SATELLITE MASTER ANTENNA TELEVISION

OFE INDICATES OWNER FURNISHED EQUIPMENT

---- UNDERGROUND CONDUIT PATHWAY

INDICATES CONDUIT RISER UP/RISER DOWN

CABLE CALL-OUT INDICATING QUANTITY OF CABLES

INDICATES CONDUIT STUB UP

AND CABLE TYPE

HOMERUN CONDUIT

- REFERENCE NOTE

STP INDICATES SHIELDED TWISTED PAIR NOTED DIFFERENTLY) UTP INDICATES UNSHIELDED TWISTED PAIR TELEVISION WALL PANEL - TYPE # (MOUNT CENTER AT +72" A.F.F. UNLESS NOTED DIFFERENTLY) ——— CONDUIT PATHWAY

> WALL MOUNTED VOLUME CONTROL (MOUNT AT STANDARD SWITCH INTERACTIVE WHITE BOARD (OFE)(SEE TELECOMM DRAWING

WALL SPEAKER - TYPE # (MOUNT CENTER AT +72" A.F.F. UNLESS

CEILING MOUNTED MICROPHONE

PACKAGE FOR CONNECTIVITY REQUIRMENTS) VIDEO WALL BOX (MOUNT AT STANDARD RECEPTACLE HEIGHT UNLESS NOTED DIFFERENTLY)

INDICATED 75 OHM TERMINATION INDICATED VOLUME CONTROL

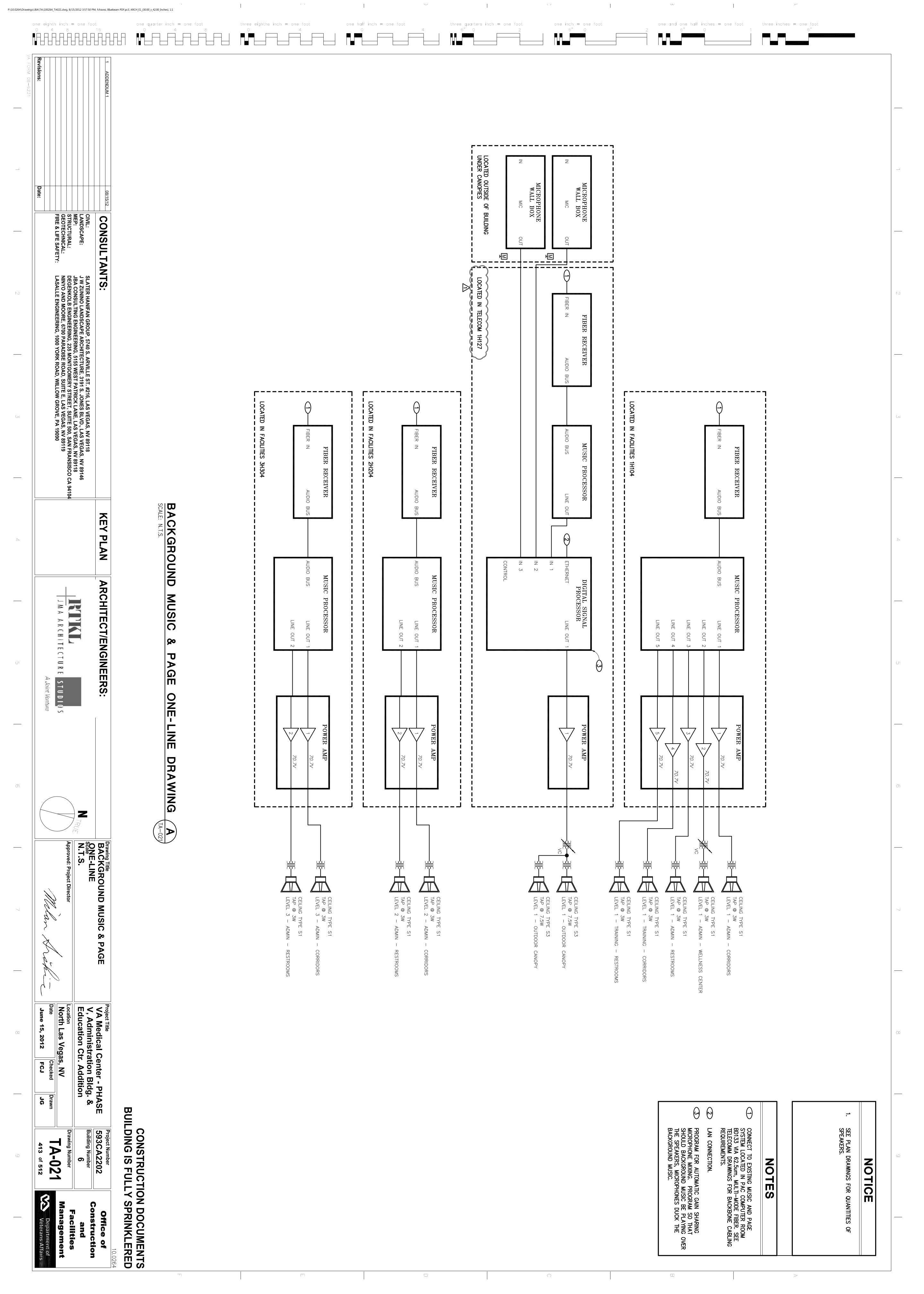
SHEET INDEX SHEET DESCRIPTION 路 영 Sheet Number Sheet Index, General Notes, Symbol List and Cable Schedule TA-002 AV - Typical Faceplate Diagrams Background Music & Page One-Line Divisible Classrooms - Video & Control One-Line Divisible Classrooms - Audio One-Line Computer Training Room 1H141 - Audio, Video & Control One-Line Basic Conference Rooms - Audio & Video One-Line Conference Room 2H215 - Audio, Video & Control One-Line Conference Room 3H314C - Audio, Video & Control One-Line TA-041 MATV One-Line TA-091 AV - Rack Elevations TA-201A AV Plan - Level 1 - Admin TA-201B AV Plan - Level 1 - Education Center TA-202A AV Plan - Level 2 - Admin TA-203A AV Plan - Level 3 - Admin • TA-400 Enlarged Divisible Classrooms & Computer Training Room 1H141 TAS-101 AV Site Plan

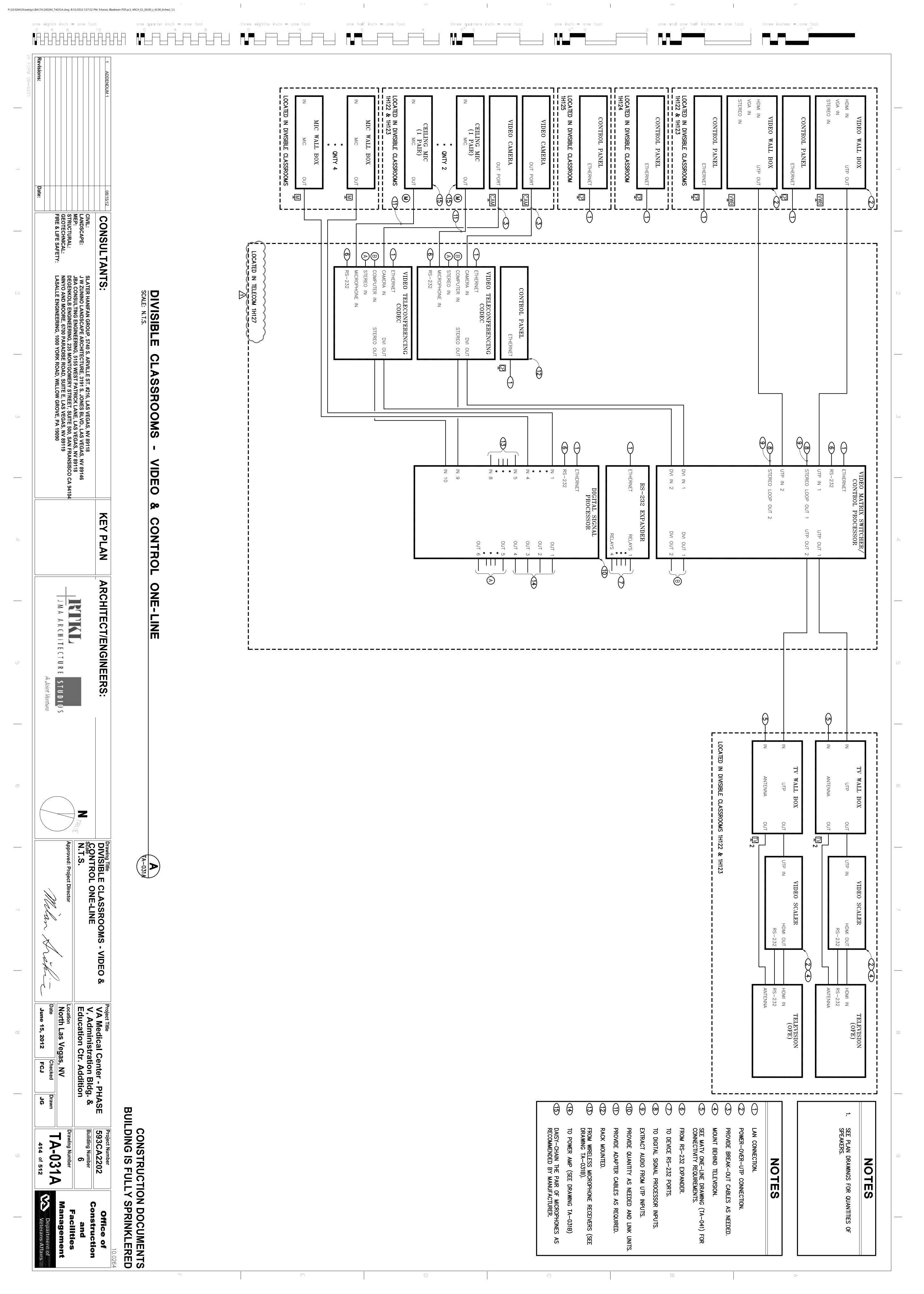
CABLE TYPE	CABLE SCHEDULE DESCRIPTION	
F1	4-PAIR CATEGORY 6 CABLE	
 J1	RG-59/U TYPE, 5 CONDUCTOR VIDEO CONTROL CABLE	
K1	SERIES 6 CATV COAXIAL CABLE	
K2	RG-8/U TYPE ANTENNA COAXIAL CABLE	
L1	22 AWG, 2 CONDUCTOR STP AUDIO CABLE	
N1	18 AWG, 2 CONDUCTOR POWER CABLE	
P1	16 AWG, 2 CONDUCTOR UNSHIELDED SPEAKER CABLE	
Q1	14 AWG, 2 CONDUCTOR UNSHIELDED SPEAKER CABLE	
T1	24 AWG, 2 PAIR VIDEO CAMERA CONTROL CABLE	

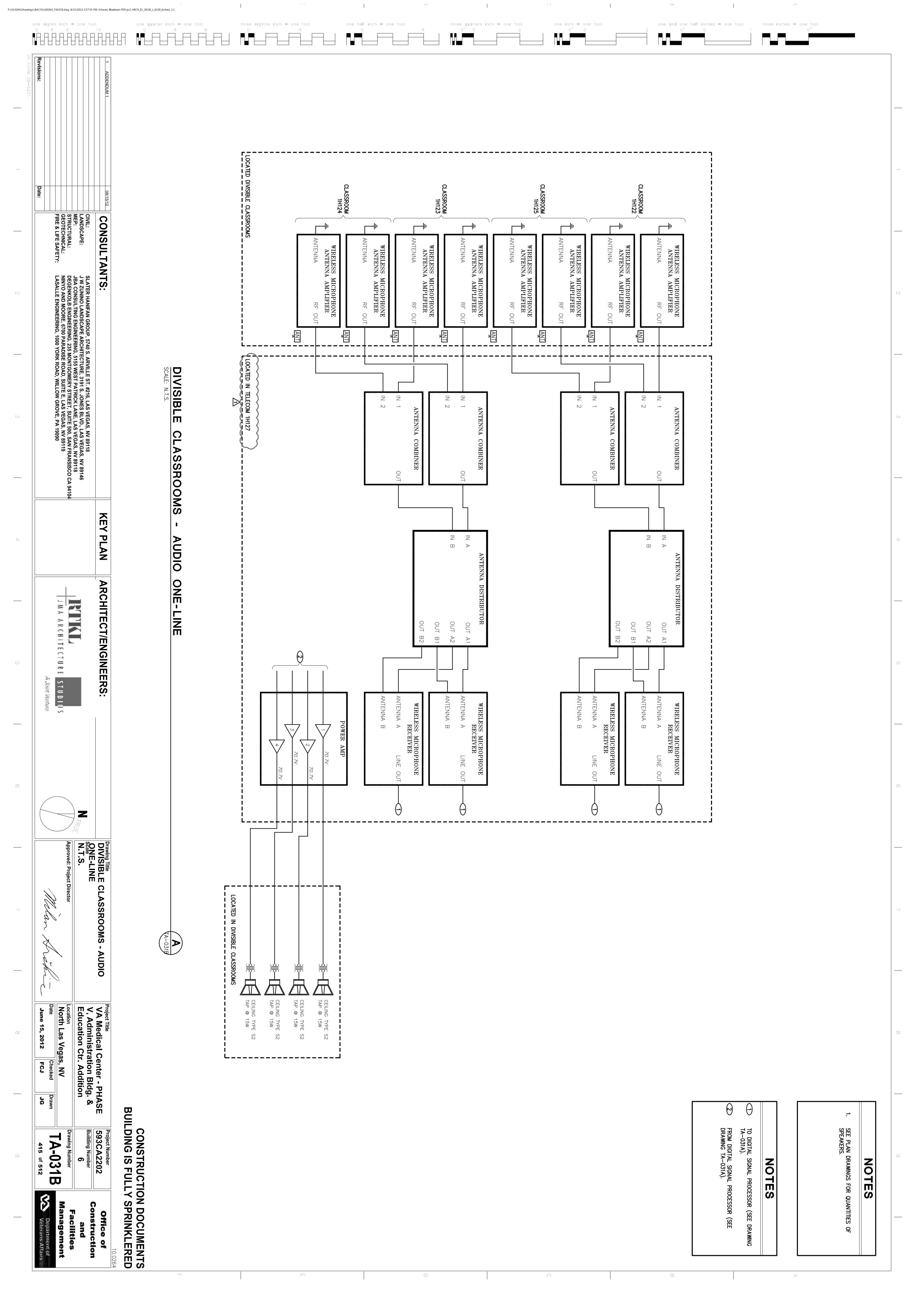
BUILDING IS FULLY SPRINKLERED

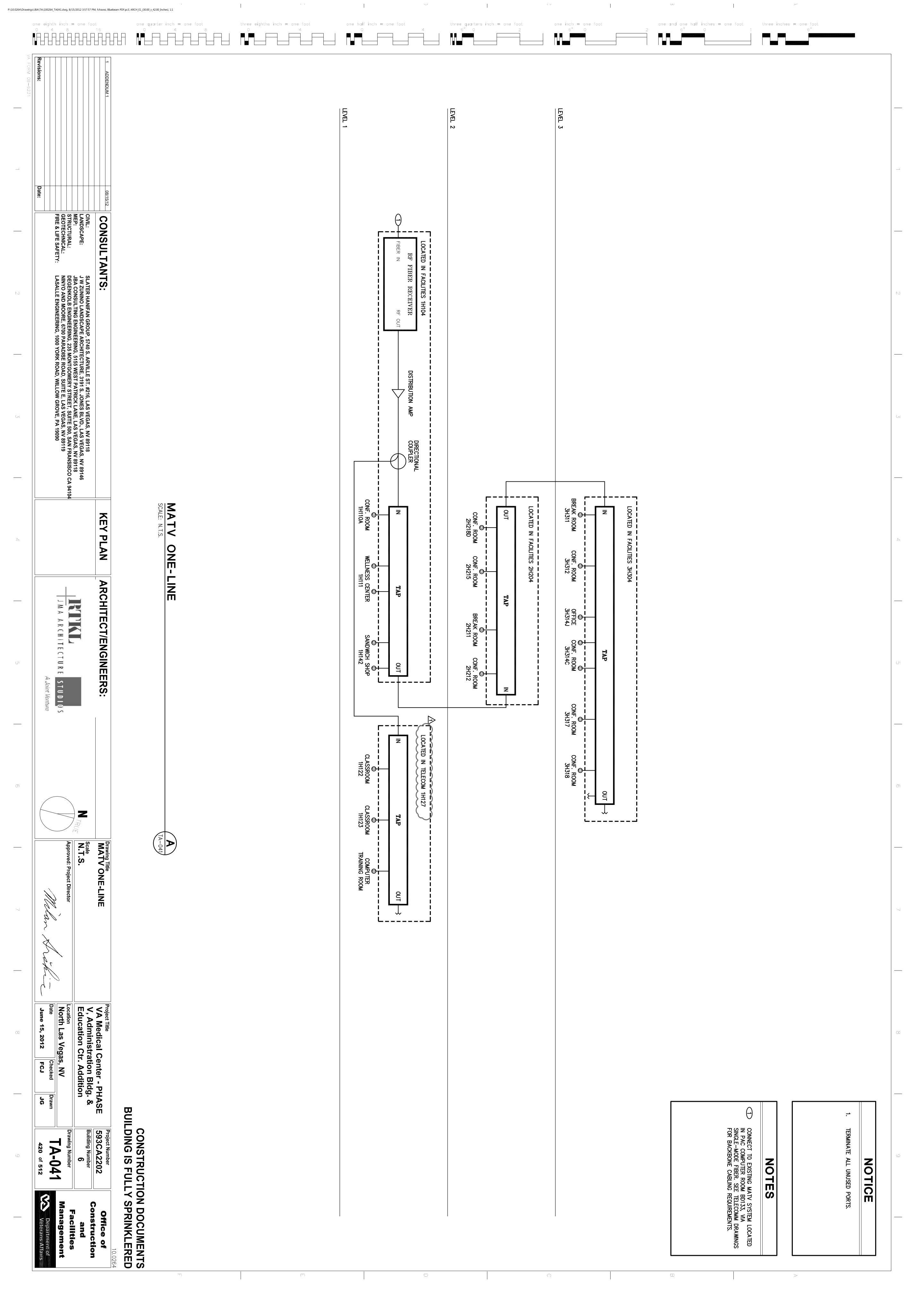
CONSTRUCTION DOCUMENTS

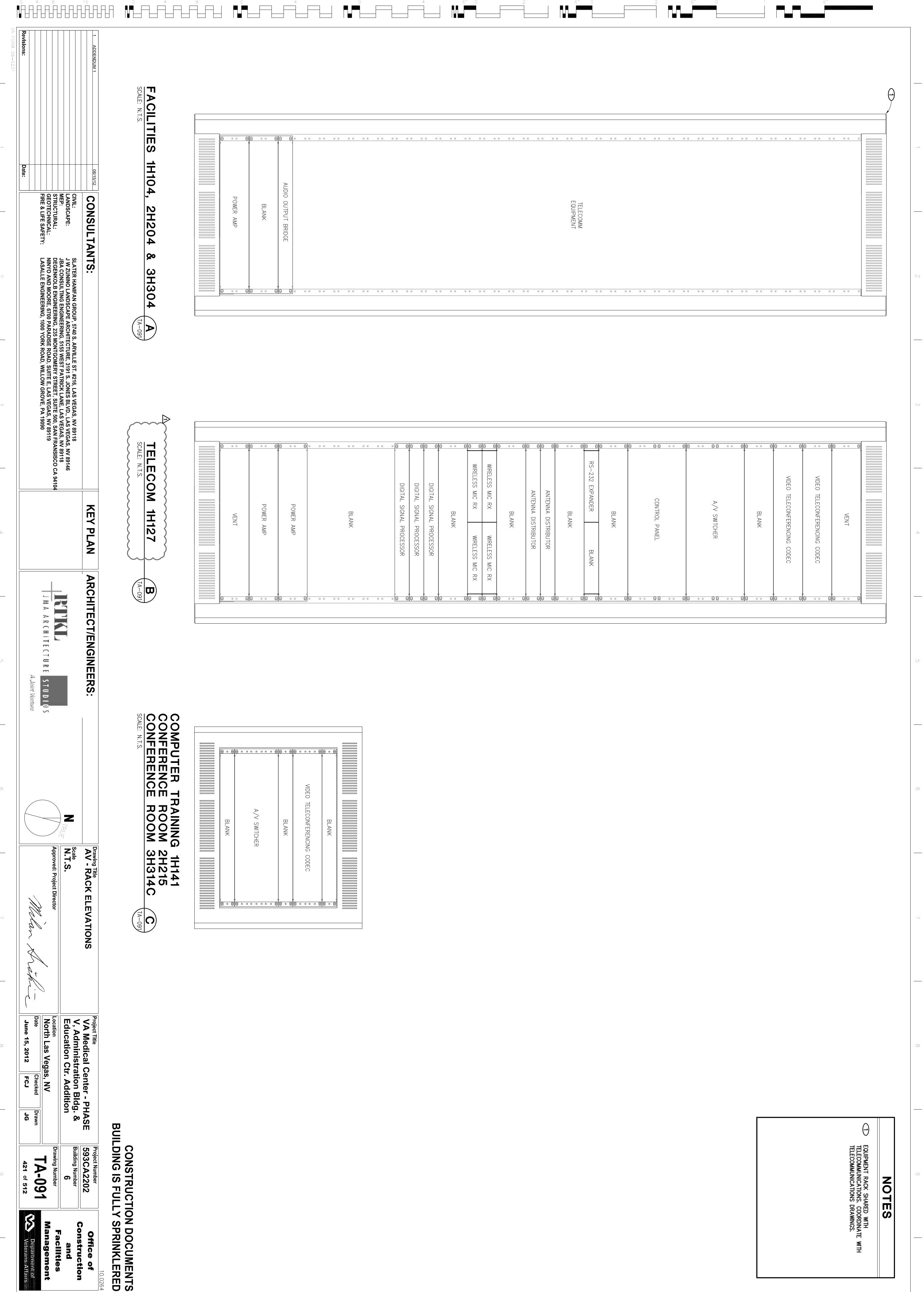
Sheet Index, General Notes, Symbol List Project Number O8/15/12 CONSULTANTS: **Project Title** ADDENDUM 1 **KEY PLAN ARCHITECT/ENGINEERS:** Office of **VA Medical Center - PHASE** 593CA2202 and Cable Schedule Construction V, Administration Bldg. & **Building Number** CIVIL: SLATER HANIFAN GROUP, 5740 S. ARVILLE ST. #216, LAS VEGAS, NV 89118 and **Education Ctr. Addition** J W ZUNINO LANDSCAPE ARCHITECTURE, 3191 S. JONES BLVD., LAS VEGAS, NV 89146 As indicated LANDSCAPE: RTKL JBA CONSULTING ENGINEERING, 5155 WEST PATRICK LANE, LAS VEGAS, NV 89118 **Facilities** STRUCTURAL DEGENKOLB ENGINEERING, 235 MONTGOMERY STREET, SUITE 500, SAN FRANSISCO CA 94104 Drawing Number **Approved: Project Director** NINYO AND MOORE, 6700 PARADISE ROAD, SUITE E, LAS VEGAS, NV 89119 **GEOTECHNICAL:** North Las Vegas, NV Management J M A A R CHITECTURE STUDIOS **TA-001** LASALLE ENGINEERING, 1000 YORK ROAD, WILLOW GROVE, PA 19090 FIRE & LIFE SAFETY: Department of Veterans Affairs A Joint Venture











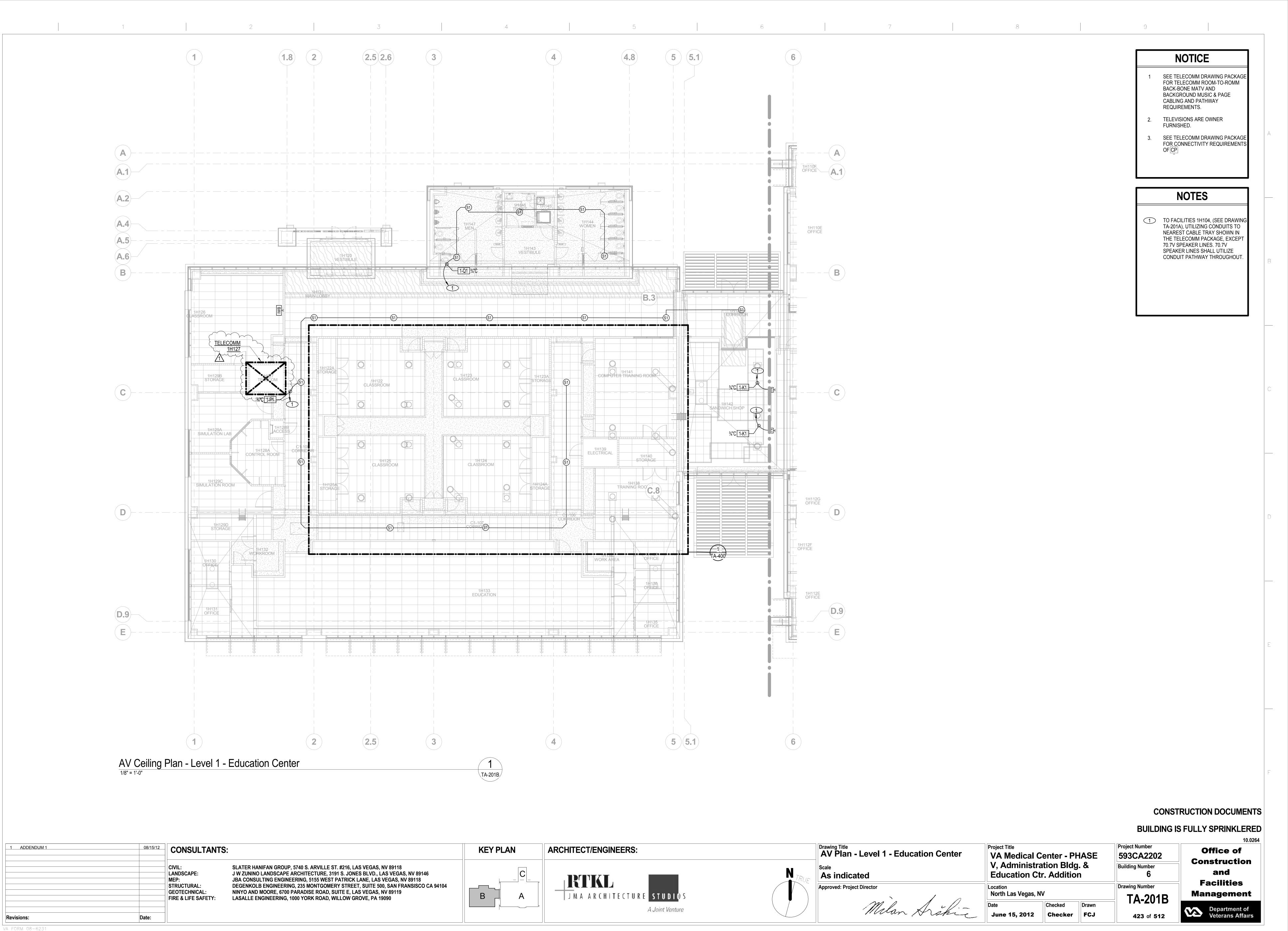
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Management **Facilities**

10.0264

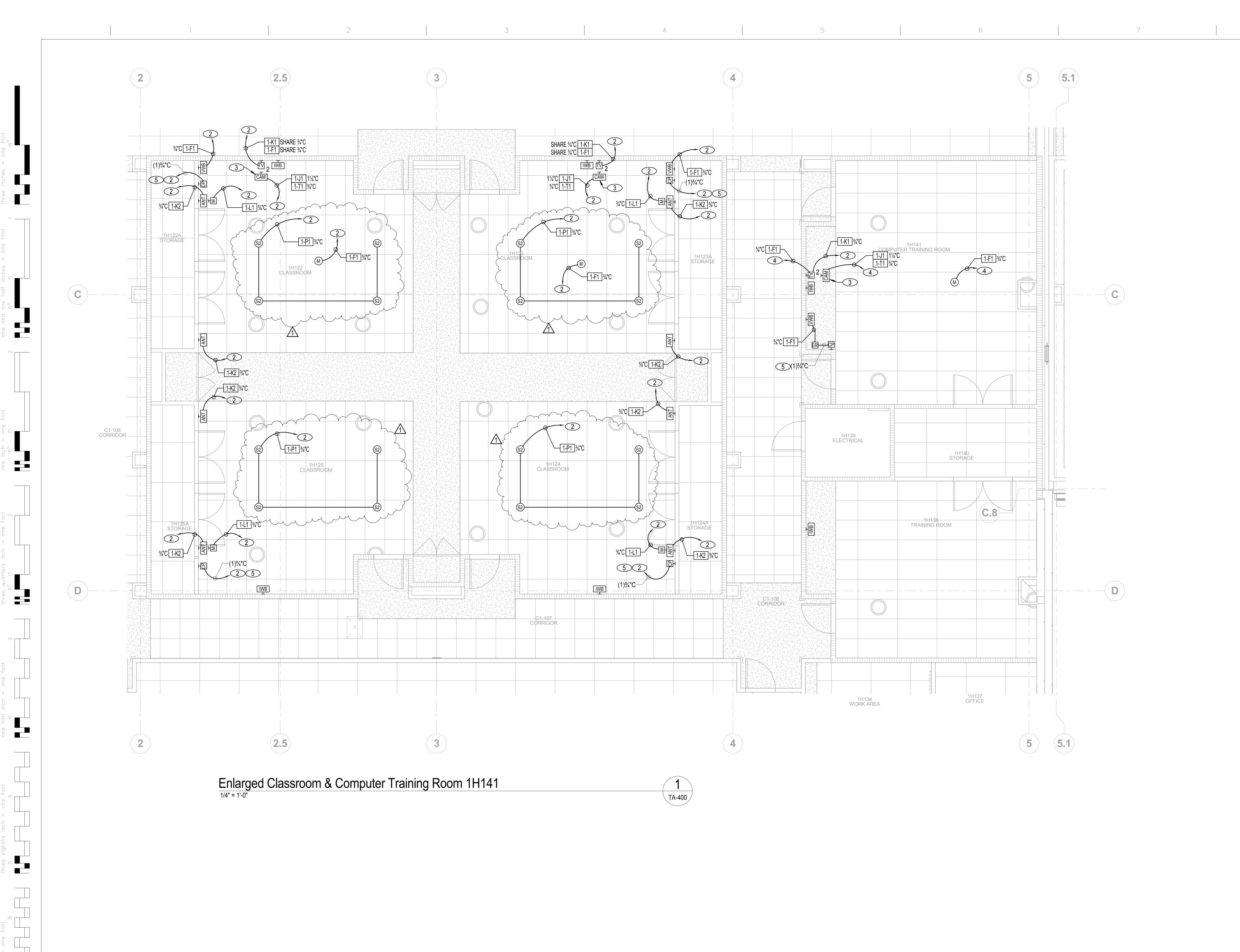
P:\10.0264\Drawings\JBA\TA\100264_TA091.dwg, 8/15/2012 3:58:00 PM, fchavez, Bluebeam PDF.pc3, ARCH_E1_(30.00_x_42.00_Inches), 1:1

Department of Veterans Affairs



one eignin inch = one foot

4 8 16



VA FORM 08-6231

NOTICE

- SEE TELECOMM DRAWING PACKAGE FOR TELECOMM ROOM-TO-ROMM BACK-BONE MATV AND BACKGROUND MUSIC & PAGE CABLING AND PATHWAY REQUIREMENTS.
- TELEVISIONS AND INTERACTIVE WHITE BOARDS ARE OWNER FURNISHED.
- SEE TELECOMM DRAWING PACKAGE FOR CONNECTIVITY REQUIREMENTS OF CP AND IWB.

1 TO FACILITIES 1H104, (SEE DRAWING TA-201A) UTILIZING CONDUITS TO NEAREST CABLE TRAY SHOWN IN THE TELECOMM PACKAGE, EXCEPT 70.7V SPEAKER LINES. 70.7V SPEAKER LINES SHALL UTILIZE CONDUIT PATHWAY THROUGHOUT

TO TELECOMM 1H127 (SEE DRAWING, TA-201B), UTILIZING CONDUITS TO NEAREST CABLE TRAY SHOWN IN THE TELECOMM PACKAGE, EXCEPT 70.7V SPEAKER LINES. 70.7V SPEAKER LINES SHALL UTILIZE CONDUIT PATHWAY THROUGHOUT.

- MOUNT ABOVE TELEVISION.
- 4 TO ER, THIS ROOM

CONSTRUCTION DOCUMENTS

BUILDING IS FULLY SPRINKLERED

one eignin inch = one toot

4 8 16 Enlarged Divisible Classrooms & Computer Training Room 1H141 Project Number 08/15/12 CONSULTANTS: ADDENDUM 1 **KEY PLAN** ARCHITECT/ENGINEERS: Office of VA Medical Center - PHASE 593CA2202 Construction V, Administration Bldg. & **Building Number** SLATER HANIFAN GROUP, 5740 S. ARVILLE ST. #216, LAS VEGAS, NV 89118 CIVIL: and J W ZUNINO LANDSCAPE ARCHITECTURE, 3191 S. JONES BLVD., LAS VEGAS, NV 89146 **Education Ctr. Addition** LANDSCAPE: As indicated RTKL JBA CONSULTING ENGINEERING, 5155 WEST PATRICK LANE, LAS VEGAS, NV 89118 **Facilities** DEGENKOLB ENGINEERING, 235 MONTGOMERY STREET, SUITE 500, SAN FRANSISCO CA 94104 STRUCTURAL: Drawing Number Approved: Project Director Location
North Las Vegas, NV GEOTECHNICAL: NINYO AND MOORE, 6700 PARADISE ROAD, SUITE E, LAS VEGAS, NV 89119 LASALLE ENGINEERING, 1000 YORK ROAD, WILLOW GROVE, PA 19090 JMA ARCHITECTURE STUDIOS Management **TA-400** FIRE & LIFE SAFETY: Department of Veterans Affairs A Joint Venture **426** of **512**

